

Title (en)
SAW TEETH GRINDING MACHINE

Publication
EP 0115329 B1 19900110 (DE)

Application
EP 84100734 A 19840125

Priority
DE 3303075 A 19830129

Abstract (en)
[origin: US4532830A] A sawtooth grinding machine has a single pivotally mounted grinding head for grinding both the face and back of teeth, such as in a circular saw blade. The grinding wheel is a composite member formed of a disk wheel and a cup wheel. The disk wheel is shaped to fit into narrow gaps between teeth when grinding the face of a tooth. The cup wheel has a smaller diameter than the disk wheel and has an abrasion-coated ring on its outer circumference for grinding the back of a tooth. A spindle shaft mounts the grinding wheel on the grinding head. The angular displacement of the grinding head for different grinding positions can be reduced as compared to known arrangements. The grinding head is supported for translatory movement in two directions extending perpendicularly of one another and also for rotation about two axes disposed at right angles to one another.

IPC 1-7
B23D 63/14

IPC 8 full level
B23D 63/14 (2006.01); **B24D 7/06** (2006.01); **B24D 7/14** (2006.01)

CPC (source: EP US)
B23D 63/14 (2013.01 - EP US); **B24D 7/06** (2013.01 - EP US); **B24D 7/14** (2013.01 - EP US)

Cited by
EP2623243A1; WO2011141500A1

Designated contracting state (EPC)
CH FR GB IT LI SE

DOCDB simple family (publication)
EP 0115329 A2 19840808; EP 0115329 A3 19860709; EP 0115329 B1 19900110; DE 3303075 A1 19840802; DE 3303075 C2 19870430; JP H0151290 B2 19891102; JP S59192416 A 19841031; US 4532830 A 19850806

DOCDB simple family (application)
EP 84100734 A 19840125; DE 3303075 A 19830129; JP 1499284 A 19840130; US 57467184 A 19840127